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AUG 10 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Wellinghoff

Serial No.: 10/057,506

Filed: January 23, 2002

For: Novel Methods and Blends for  
Controlling Rheology and Transition  
Temperature of Liquid Crystals

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Group Art Unit: 1756

Examiner: Jennifer R. Sadula

Atty. Docket: SwRI-2835-03

Amendment and Response to Second Office Action

Commissioner for Patents  
P. O. Box 1450  
Alexandria VA 22313-1450

This paper is filed in response to the office action mailed July 27, 2004.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper. Applicant notes that claims 76-104 were previously submitted, and it is not clear how these claims should be handled in the present response. For this reason, all previously submitted claims have been canceled and the new claims beginning on page 2 have been numbered beginning with number "105."

**Remarks/Arguments** begin on page 11 of this paper.